

(TRANSLATION)
PATENT COOPERATION TREATY
PCT
INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference W2158-000000	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/JP2005/00538	International Filing date (day/month/year) 18/01/2005	(Earliest) Priority Date (day/month/year) 20/01/2004
Applicant: <p style="text-align: center;">Asahi Kasei EMD Corporation</p>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of:

☐ the international application in the language in which it was filed

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II).

3. ☐ Unity of invention is lacking (see Box No. III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000538

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ C08G73/22, G03F7/037, G03F7/022

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ C08G73/00-26, G03F7/037, G03F7/022

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI (DIALOG), JOIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-105086 A (Sumitomo Bakelite Co., Ltd.), 09 April, 2003 (09.04.03), Claims; Par. Nos. [0014] to [0015], [0020] to [0023]; examples (Family: none)	1-10
A	JP 2002-167442 A (Sumitomo Bakelite Co., Ltd.), 11 June, 2002 (11.06.02), Claims; Par. Nos. [0008] to [0012], [0016], [0020] to [0021]; examples & EP 1333050 A1 & US 2004/2572 A1 & WO 02/24788 A1	1-10

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
15 March, 2005 (15.03.05)Date of mailing of the international search report
29 March, 2005 (29.03.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000538

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 5-102125 A (Hitachi Chemical Co., Ltd.), 23 April, 1993 (23.04.93), Claims; Par. Nos. [0020] to [0022]; examples (Family: none)	1-10
A	JP 1-46862 B2 (Siemens AG.), 11 October, 1989 (11.10.89), Claims; page 3, column 5, line 4 to page 5, column 10, line 3; examples & US 4339521 A1 & US 4395482 A1 & EP 23662 A1	1-10
A	Harald J. Ommer et al., "Photocrosslinkable comb-like polymers for membranes: polyamides from modified 5-aminoisophthalic acid and aromatic diamines", Macromol.Chem.Phys., March 1996, Vol.197, No.3, pages 797 to 809	1-10
A	JP 5-27245 A (Hitachi Chemical Co., Ltd.), 05 February, 1993 (05.02.93), Claims; Par. Nos. [0015] to [0016]; examples (Family: none)	1-10

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*.

- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages _____ 1-10, 12-44 _____ as originally filed/furnished
- pages* _____ 11, 11/1 _____ received by this Authority on 15.08.2005
- pages* _____ received by this Authority on _____
- ☒ the claims:
- Nos. _____ 1-10 _____ as originally filed/furnished
- Nos.* _____ as amended (together with any statement) under Article 19
- Nos.* _____ received by this Authority on _____
- Nos.* _____ received by this Authority on _____
- ☐ the drawings:
- sheets/figs _____ as originally filed/furnished
- sheets/figs* _____ received by this Authority on _____
- sheets/figs* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____